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President



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THE ALLIANCE IS A PUBLICATION OF THE LOUISIANA CHEMICAL INDUSTRY ALLIANCE, WHOSE MEMBERS ARE LOUISIANA'S CHEMICAL MANUFACTURERS AND THEIR VENDORS AND SUPPLIERS. THE PURPOSE OF THIS MAGAZINE PUBLICATION IS TO ADVOCATE A BETTER UNDERSTANDING OF THE BENEFITS OF CHEMISTRY TO LOUISIANA AND THE WORLD, WHILE HIGHLIGHTING ITS ESSENTIAL NATURE AND BENEFITS TO EVERYDAY LIVING. THE ALLIANCE IS PUBLISHED TWICE ANNUALLY.

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A LETTER FROM THE PRESIDENT

What a couple of years it has been.

From a worldwide pandemic to the devastating war in Ukraine, communities and industries across the globe have faced unprecedented challenges.

And yet, the people of Louisiana's petrochemical and manufacturing industries have proven their resilience and fortitude time and again.

By retrofitting equipment and increasing production, our members were able to provide the tools and products to save lives across the country and across the world. While the rest of the state was shut down, our essential workers were busy around the clock to meet the urgent PPE and medical needs of our family, friends and neighbors.

While manufacturing employees are no strangers to workplace safety precautions, the COVID-19 pandemic introduced an entirely new layer of considerations and policies. Masks, vaccine requirements, social distancing and heightened cleaning protocols became the norm at facilities and contract businesses across Louisiana. I'm proud to say that our chemical facilities, among the largest employers in the state, were able to meet and exceed production goals without major outbreaks. That's in large part due to the dedication and vigilance of the tens of thousands of workers who walk in and out of our facilities every day.

Over the past few weeks, discussions among our staff, members and stakeholders have all centered around one theme – what's next?

In my opinion, Louisiana's chemical industry is uniquely poised to take advantage of the shifting dynamics of the world's energy, environmental and geopolitical priorities.

We are well-positioned for the transition to a lower-carbon and more sustainable future. From the products that we make to the technology that we use, our com-

panies have already made incredible strides and are investing more in this space every day.

Louisiana's chemical companies have prioritized lowering emissions for the past thirty years and are continuing to incorporate new equipment and air monitoring services to ensure the health and safety of our employees, our neighbors and our world.

However, we do have some obstacles we will need to work together to overcome. Labor shortages are an issue across industries and have impacted our facilities' ability to meet growing demands. But by creating and implementing programs like the North Baton Rouge Industrial Training Initiative, we can help address labor availability problems by training and hiring talent right here in our own neighborhoods.

Other issues like supply chain disruptions and geopolitical uncertainties are concerns our managers must consider with every decision. As the president of LCA and LCIA, I will partner with each of our members to do what we can to address these challenges and provide long-term solutions to ensure our industry continues to be a leader in the world economy.

The lessons we've learned over the past two years are forever ingrained in our business processes, our daily lives and in the way we relate and connect with each other. We will never be the same.

I look forward to working with each of you to create a better future for our companies, our environment and our families. That's what's next for LCA and LCIA.

Sincerely,



Gregory M. Bowser
President & CEO

Louisiana Chemical Association
Louisiana Chemical Industry Alliance



Gregory M. Bowser

INDUSTRY MAKES

JOBS FOR THOUSANDS
ADVANCES EACH DAY
COMMUNITIES STRONGER
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WHAT'S AHEAD FOR THE LOUISIANA LEGISLATURE

Jim Harris, On behalf of the Louisiana Chemical Association

The Regular Session of the Louisiana Legislature began Monday, March 14 and must end by June 6. This is a regular session, so lawmakers cannot consider bills that would increase tax revenue.

Following an earlier redistricting session, the governor vetoed the plan for congressional districts, as the Legislature did not create an additional majority-minority district. Then, the Legislature took a brief break from its regular session for an afternoon to conduct a veto override session. The House overrode the veto and sustained the previously drawn districts on a vote of 72-31; the Senate vote was 27-11. The votes were largely along party lines, as anticipated. This is only the third successful gubernatorial override in Louisiana's recent history, and is unlikely to be the last.

The congressional redistricting map will now go to federal court, where civil rights groups, including the NAACP, have filed suit against the proposed congressional map, calling it "unlawful and unfair."

So, back to the session, where the budget will remain the biggest issue. The governor's proposed budget is \$38.6 billion, \$19.7 billion of which is federal money and \$3 billion of which is one-time money. Louisiana has not had a surplus in a long time. This is not the time to repeat the mistakes of the past. The last major influx of federal money into the state was after Hurricane Katrina. Given that surplus, the state re-

pealed the "Stelly Plan," effectively dismantling part of the state's tax structure. The current proposal uses the surplus money conservatively to pay down debts, limits growth of government services and keeps one-time revenues for one-time expenditures.

As you will recall, the Legislature passed a constitutional amendment last year that failed by a margin of 52-48 percent. Speaker Clay Schexnayder, R-Gonzales, is giving it another shot with HB 681. The constitutional amendment would create a new statewide political subdivision, the State and Local Streamlined Sales and Use Tax Commission, to streamline both electronic filings and remittance of sales and use taxes. If the bill makes it through the legislative process, it will be included on the ballot for approval this fall.

A major issue is property and casualty insurance, given the destruction caused by the many storms and floods in the state. Several proactive measures, supported by insurance companies, are moving through the process. One bill would require a written progress report and a primary point of contact when a policyholder is assigned three adjusters in a six-month period. Another would require the Louisiana Department of Insurance to issue disclosure forms explaining how to file complaints and detailing policyholder protections. Another would establish a voluntary me-



YOUR CATALYST

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LOUISIANA BATON ROUGE NEW ORLEANS SHREVEPORT
LAFAYETTE LAKE CHARLES **TEXAS** HOUSTON THE WOODLANDS

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diation program for dispute resolution. Yet another would create a 21-member board to investigate fraud. LDI Commissioner Jim Donelon said the legislation is unnecessary but could not say how many fraud complaints the department receives.

Increasing and decreasing criminal penalties, health and auto insurance, broadband access, critical race theory, literacy, STEM education, transportation infrastructure, employment/the economy and poverty are other major legislative issues this session.

U.S. Senator Kennedy is up for reelection this fall, statewide races are to be held in 2023, and U.S. Senator Cassidy will run again in the fall of 2026; Kennedy’s approval ratings top Cassidy’s, which are “underwater.” The poll shows Kennedy leading either race he chooses to enter – U.S. Senate or Louisiana governor – and Cassidy floundering, which could potentially hurt his chances in the gubernatorial race. Cassidy has recently publicly confirmed he is “seriously considering” running for governor in 2023 and will decide by the end of the year. He says he still has time to win back supporters he lost over his dissent with President Trump’s actions on January 6.

JMC surmises that voters are overall in a “negative mood” due to many factors that have become part of the electoral landscape, including inflation, the ongoing pandemic and high gas prices. Despite that negativity, the trend of voters supporting Republican candidates does not seem to be reversing. ❄️

Looking forward, a recent poll of 600 Louisiana voters conducted by JMC Analytics checked the current political climate in the midst of an “unsettled electorate.”
Key takeaways follow:

U.S. President Joe Biden, D-DE

Favorable	26%
Unfavorable	58%

Gov. John Bel Edwards, D-Amite

Favorable	48%
Unfavorable	43%

U.S. Sen. Bill Cassidy

Favorable	38%
Unfavorable	49%

U.S. Sen. John Kennedy

Favorable	53%
Unfavorable	38%

U.S. Senate Race

(If held today; 51% would support the Republican candidate)

U.S. Sen. Kennedy	53%
Gary Chambers, D-New Orleans	14%
Luke Mixon, D-Bunkie	7%
Syrita Steib, D-New Orleans	3%
Undecided	23%

2023 Louisiana Governor’s Race

(If held today; 50% would support the Republican candidate)

U.S. Sen. Kennedy	22%
Mayor Sharon Weston Broome, D-Baton Rouge	14%
Attorney General Jeff Landry, R-New Iberia	11%
U.S. Sen. Cassidy	10%
Lt. Gov. Billy Nungesser, R-New Orleans	7%
State Sen. Gary Smith, D-Norco	4%
State Sen. Sharon Hewitt, R-Slidell	2%
Louisiana Treasurer John Schroder, R-Covington	1%
Undecided	29%



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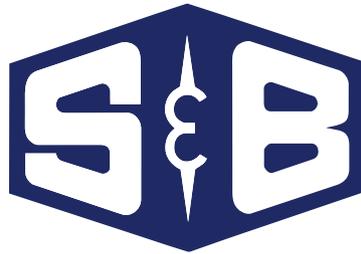
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LCIA MEMBER SPOTLIGHT:



IN 1967 TWO FRIENDS, JIM SLAUGHTER AND BILL BROOKSHIRE,
INVESTED THEIR LIFE SAVINGS TO START THEIR OWN ENGINEERING FIRM ON THE PRINCIPLE,

“LET’S NEVER DO ANYTHING WE’D BE ASHAMED OF.”

With a whole lot of grit and a little grace, that small engineering firm grew, evolved, adapted, and thrived. Today, **S&B Engineers and Constructors (S&B)** is a preeminent leader in the engineering, procurement, construction (EPC) and fabrication industries.

For more than 50 years, S&B has operated as a full-service EPC provider that incorporates the industry’s best people, processes, and project management tools to build a range of complex engineering projects. From pipelines to power plants, and refineries to petrochemical facilities, S&B has engineered, designed, and delivered the full range of critical projects in line with its goal of Building America’s Energy Infrastructure.

Since 1967, S&B has been committed to the principles of honesty, integrity, quality, and safety. From its teams to projects, S&B is dedicated to excellence in everything it builds.

FROM CONCEPT TO COMPLETION

S&B is best known for execution excellence in integrated project delivery. No matter the project size, S&B delivers in-house engineering, procurement, and direct-hire construction (EPC) services, beginning at the earliest stages of concept development leading to detailed design and on through construction to commissioning.

With constructability as the goal, S&B always engineers with the end in mind. At S&B, engineers work together with the constructors using the company’s Managing with Certainty® execution philosophy to mitigate risks and manage results.

This construction-driven approach ensures alignment and supports project success. IPP® (Integrated Project Planning) and iPIMS®, S&B’s fully integrated project management system, are two proprietary tools that support the Managing with Certainty® execution philosophy.

DEEP LOUISIANA ROOTS

S&B’s relationships in Louisiana run deep. In fact, the company has been doing business in Louisiana for decades. For more than 20 years, S&B and long-time Louisiana engineering firm, Ford, Bacon & Davis (FB&D), shared common ownership. On January 1, 2022, FB&D officially integrated with S&B. The consolidation was driven by the desire to better serve the changing needs of the customers of both companies. Collectively, the companies have designed and constructed countless petrochemical, polymer, and specialty chemicals projects throughout the USA.

While S&B’s experience includes a wide range of products, the company has deep technical expertise in the following areas: olefins and derivatives; aromatics; polymers; specialty chemicals and catalysts; and organic intermediates.



RANKINGS AND ACCOLADES

S&B recently received Engineering News-Record's (ENR) 2021 "Best of the Best" Energy/Industrial project award for its EPC work on the \$1.4B Sweeny Hub 2 for Phillips 66.

S&B's ability to deliver also results in regular rankings on ENR's lists. For 2021, S&B was ranked as the #3 Top Regional Design Firm in Texas/Louisiana; #19 in the Top 100 Design-Build Firms; and #44 in the Top 500 Contractors.

Digging deeper, S&B ranks #3 in Chemical Plants, and #5 in Refineries and Petrochemicals.

NATIONWIDE PROJECTS, LOCAL WORKFORCE

The best tools and processes mean very little without the right people. S&B's workforce is comprised of the industry's best and brightest—dedicated, experienced employees with the expertise to execute each project with the highest regard to safety, efficiency, and quality.

S&B employs more than 2,500 engineers, and more than 300 are in Louisiana. S&B engineers have the skillset and expertise to design innovative solutions to some of the industry's most complex engineering challenges. Add in the thousands of constructors and professional

employees who make up the S&B Family, and you have a talented team that can design, build, and deliver full EPC solutions.

With 16 offices located across the United States and 5 in Louisiana, S&B is local to Louisiana and able to execute projects nationwide.

DELIVERY WHEN IT COUNTS

During a time when cost overruns and project delays are the norm in the EPC industry, S&B has delivered 90% of large EPC projects on schedule and 95% within budget.

GLOBAL PROCUREMENT CAPABILITIES

To support its on-time delivery, S&B's procurement team sources equipment and materials both domestically and internationally. In the last 5 years, the company has procured over \$4 billion of materials and equipment from 16 different countries.

OIL, GAS AND CHEMICALS MARKETS

S&B has expertise and experience serving the following oil, gas and chemicals markets:

- NGL Fractionation
- Refining
- Pipelines & Field Facilities
- Petrochemicals & Polymers

\$300MM REFINERY PROJECT

For a recent Louisiana project, S&B reduced the cycle time from IPA recommended 48 months to 26 months that helped generate over \$1million/day in profits.

\$165MM REFINERY PROJECT

For a recent Louisiana project, S&B reduced the cycle time from the IPA recommended 16 months to 11 months that helped generate over \$500K/day in profits.

LET'S CONNECT

S&B has five office locations in Louisiana – Baton Rouge (2); New Orleans; Lake Charles; and West Monroe.

*Dane D'Aquin
Vice President,
Central Region Operations
225-297-3205*

*Jason McAllister
Vice President
Commercial
225-297-3253*

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FROM A SMALL SEED, A BOUNTIFUL HARVEST:

HOW A MOTHER'S WORDS LED TO SUCCESS IN THE CHEMICAL INDUSTRY



**By: Crystal King, Senior Manufacturing
Director, Dow Louisiana Operations**

Dow has enabled me to move around the United States and meet many different people in my nearly 34-year career. Although I have enjoyed a few summers in Midland, Michigan, and near the beach in Seadrift, Texas, there is nothing quite like Louisiana. Being born and raised in St. John the Baptist Parish, there is something special about returning home to lead our large Dow site in Plaquemine, Louisiana. It's an exciting time to be part of the chemical industry and, in particular, Team Dow. I am witnessing incredible innovation coming from new and diverse partnerships, while listening deeply to our customers and employees in order to build stronger, more resilient communities.

"MY MOTHER CHALLENGED ME TO EXPLORE OTHER PROGRAM DEGREES. PROGRAMS THAT WERE NOW OPEN TO ME."

In true Louisiana fashion, I must be clear of where exactly I am from. For those of you familiar with the River Parishes, we like to differentiate ourselves from each other - although like most throughout this state, we are friends, cousins, or rivals from the ball field at some point in time. I am from Reserve. I grew up attending Our Lady of Grace Catholic Church, St. Peter Catholic School and then Leon Godchaux High School. Leon Godchaux High was one of the first public schools in St. John Parish to integrate per a federal court order in 1965. Fifteen years later, I graduated as the first black valedictorian of Leon Godchaux High. I enjoyed growing up in Reserve, and I have fond memories of the Andouille Festival, which was founded upon "local pride and togetherness."

What would come after high school was never negotiable. It was a given that I would go to college. My mother graduated from Philander Smith University in Little Rock, Arkansas, and furthered her career with a master's from Southern University in Baton Rouge. She spent her career teaching Reading at several schools in St. John Parish. My dad served as a Military Police (MP) in the Korean War. After returning home, he worked in several local plants and finished his career at **Nalco Chemical** in Garyville.

What I did not expect was the challenge my mother put before me as I

decided what college degree I would pursue. When she asked what I wanted to be, I said, "a teacher." I did not really have a strong desire to be a teacher. I was basing my decision on what I had seen growing up and what I knew, believing that my career decision should mimic hers. At that moment, she explained that when she went to school, the only choice for Black females was Education or Nursing. She challenged me to explore other program degrees. Programs that were now open to me.

"That's what I had to be. You can be more." -- Allene Gregoire

So much happened between that conversation and my first job in the chemical industry, but you can understand why I am extremely proud to come home to Louisiana and lead one of Dow's largest sites in the world. Although my mom, Allene Gregoire, passed from this earth in 2010, the seed she planted created a harvest in my life and my daughter's life. That harvest is not simply a financial one that provides for my family. I mean a harvest of life experiences that have taught me we all have more in common than we think, and we are all making a way for the next generation. I mean a harvest of countless relationships that have turned into lifelong friends who were by my side during career milestones but also stood by me when I lost my parents and have battled my own health issues. I mean

a harvest of giving back. I have deeply enjoyed visiting the classrooms of Southern and LSU to talk about the business and people of Dow. This harvest all started with a seed that my mother planted.

What seeds are you planting this Spring? As an employee, supplier, or partner to our industry, how are you giving back? Are you working in your neighborhood to prepare a young kid down the street to take advantage of one of our internships should that be her heart's desire? Are you mentoring a team of students in one of our local engineering or process technology classes? Are you using the technical expertise you've learned at work to solve a problem in your community, like recycling or flood control? Are you sharing your expertise and wisdom with a group of new hires?

Because of this industry, we have all witnessed opportunity. Some of that opportunity has been far greater than we could have ever imagined, and for some it is still limited. But we are in another era of collaboration and inclusion that will bring even greater things. Share your story in the way my mother did. The seeds we plant today can grow for others tomorrow. 🌱



LCIA MEMBER SPOTLIGHT:



LOUISIANA'S GEAUX TO TAX ADVISOR

Ryan, an award-winning global tax services and software provider, is the largest Firm in the world devoted exclusively to business taxes. For North America, we are the largest provider of property tax, sales and use tax, and unclaimed and abandoned property tax consulting services. Our Firm provides an integrated suite of federal, state, local, and international tax services on a multijurisdictional basis, including tax recovery, consulting, advocacy, compliance, and technology services. Our multistate expertise enables us to service our clients in Louisiana and nationally.

For over three decades, Ryan has been the geaux-to tax adviser to companies throughout Louisiana. With office locations in Baton Rouge and New Orleans, our team of tax professionals are committed to solving important state and local tax matters for our clients and are positioned to provide world-class services to companies across the region. Powered by a global team with dedicated, local expertise, Ryan is a recognized leader in Louisiana for our ability to secure significant tax recoveries and for developing and implementing industry leading tax planning strategies for our clients.

RYAN'S COMMITMENT TO LOUISIANA

Since opening our first Louisiana office in 2000, our local tax professionals represent more than 600 clients in Louisiana. Building upon Ryan's success in Louisiana, the New Orleans Saints recently announced a three-year partnership, making Ryan the "Official Tax Partner of the New Orleans Saints". Ryan is honored to be recognized by the Saints for this partnership and is excited to add the Saints to our expanding roster of professional NFL sports affiliates, such as the Dallas Cowboys and Los Angeles Rams.

In conjunction with that partnership and the local regional chambers, Ryan is traveling the state as part of its "Tackling Tax in 2022" monthly Louisiana speaker series. Each live in-person seminar focuses on a specific area of Louisiana taxation to discuss strategies on how best to navigate the 2022 tax landscape and generate future opportunities for taxpayers in Louisiana. Ryan has coordinated these sections with some of the largest regional economic development organizations in the state, to ensure that we are able to provide value directly to taxpayers across the state.

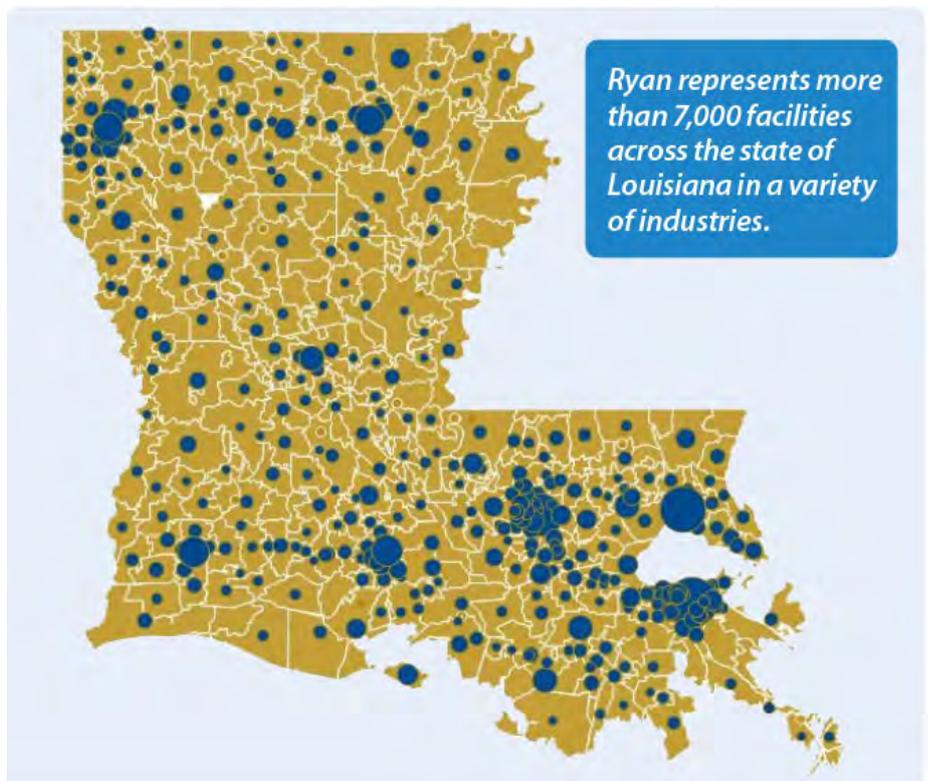
In 2016, Gov. John Bel Edwards signed Executive Order JDE 2016-26, which has changed the landscape of Louisiana incentives to this day. The new policies and procedures that taxpayers have had to adapt to and navigate through has made securing critically important credits and incentives (C&I) more challenging, as well as more competitive. Ryan's C&I practice is dedicated to helping clients secure available credits and incentives which, in turn, help them achieve their business goals. As part of our commitment to serving clients in Louisiana, Ryan's C&I National Practice Leader, Sharon Welhouse, relocated to Baton Rouge

to provide an on-the-ground resource to meet with government officials, stay abreast of the unique rules and regulations of each parish, and better serve our clients as they continue to invest in Louisiana's economic growth. Ryan entered into a partnership with cutting-edge C&I software provider Incentify to help manage our clients' entire C&I portfolios in one platform and identify all available C&I opportunities across the country. This value-added platform is unmatched in the industry which gives Ryan clients a unique advantage and ensure that they are taking advantage of available C&I opportunities while remaining compliant.

Ryan's commitment to our Louisiana clients is also shown through our advocacy practice. As the only tax firm with a dedicated advocacy team, Ryan works directly with taxing authorities and government officials to promote

taxpayer-friendly legislation and gain clarity on various tax rules and regulations which helps our clients resolve their tax issues. Ryan Principal Susan Bittick has been instrumental in helping our Louisiana clients achieve their tax goals. Through her strong relationships and deep knowledge of tax issues impacting Louisiana businesses, she is a dedicated advocate on behalf of our clients in the state.

Louisiana continues to call in experts from across the state. As the Louisiana market increased, so did Ryan's need to have relational experts in the state. In 2013, Matt Zagotti, Director of Sales and Use Tax, relocated to Baton Rouge. With 20 years of sales and use tax consulting expertise, 15 years of which have involved Louisiana engagements, his addition to our Louisiana team and multistate experience has benefited our client locally and





LCIA MEMBER SPOTLIGHT:

beyond. Additionally, Matt serves as the Business and Industry Committee chairperson for the Louisiana Association of Tax Administrators (LATA), as a liaison between parish tax administrators and business members of LATA.

Ryan's dedicated sales and use tax teams in Baton Rouge and New Orleans work with the Department of Revenue, individual parishes, and other sales tax commissions/boards on a daily basis

to resolve client matters. Whether it's navigating Louisiana's complex "home rule" structure, providing state or local administrative procedures guidance, performing internal taxability reviews, or providing best in class tax audit support services, Ryan has the expertise and solutions for clients across the state.

In 2020, Ryan expanded its property tax expertise to better serve clients

in Louisiana with the acquisition of Real Estate Tax Group (RETG), a New Orleans-based property tax consulting, appeals, valuation, and economic development incentives procurement firm. With a deep understanding of the local market and requirements of each parish, Ryan's newest team members, led by Karl Kehoe from RETG, provide an additional resource to our already market-leading property tax team. Ryan now represents many of the most

RECOGNITION

Ryan has been honored with numerous prestigious awards for our innovative work environment, commitment to people development, and superior client service.



PURPOSE AND VALUES

Driven By Our Purpose

To liberate our clients from the burden of being overtaxed, freeing their capital to invest, grow, and thrive.

Guided By Our Values



Pursue Excellence



Wired to Win



Generosity Matters



Build Trust



Integrity Always

recognizable hotels and Class A office buildings in the greater New Orleans area, which gives Ryan a unique perspective on appropriate valuations and the data to ensure that our clients' properties are assessed correctly. When combined with Ryan's industry-leading property tax software solution, PropertyPoint, Ryan's Louisiana clients are in the most capable hands to ensure their properties are fairly assessed and they are paying only the amount of tax due.

Future expansion of the Louisiana footprint continued in early 2022 with the acquisition of MacRostie Historic Advisors, LLC (MHA), which is one of the largest and most successful firms in the United States dedicated to historic tax credits. The acquisition of MHA has added additional local expertise to our already expanding New Orleans office.

HELPING CLIENTS IN THE CHEMICAL INDUSTRY

Nationally, Ryan represents more than 70% of the top 50 US chemical manufacturers. When Ryan was founded in 1991, we quickly became the preferred tax consulting provider for chemical companies in Texas. As we expanded beyond the Texas border, our tax professional's commitment to client service and mastery of tax laws in each state enabled us the opportunity to continue to serve our clients in other states, including Louisiana.

Driven by our purpose, Ryan's goal is to liberate the chemical industry from the burden of being overtaxed, freeing capital to invest, grow, and thrive in Louisiana. The chemical industry is the largest manufacturing employer in the state, providing the third highest average wage in the Louisiana, and is the third largest product exporter from Louisiana. In short,

Ryan's purpose to liberate our clients also liberates the Louisiana economic engine that drives growth and creates jobs in our local communities.

Ryan's focus is to provide innovative solutions to the underlying issues that taxpayers face in an effort to develop a more strategic approach to taxation across multiple disciplines. Whether its meeting with government officials to negotiate incentives for an upcoming facility expansion, reviewing property tax related valuations, evaluating the accuracy of a tax compliance software solution, or assisting with a sales and use tax audit, Ryan is known for its ability to find tax recovery opportunities for its chemical industry clients and to aggressively fight for those dollars, ensuring that no issue or opportunity for tax minimization is left unrealized.

LOUISIANA COMMUNITY INVOLVEMENT - GENEROSITY MATTERS

One of Ryan's values is Generosity Matters as we believe in sharing our success with others. Through the Ryan Foundation, our team members in the Baton Rouge and New Orleans offices have financially contributed and volunteered hundreds of hours to combat health, poverty and distress, and educational needs in our local communities. These programs extend beyond merely writing a check to working on the ground and connecting on a personal level to make a difference in our respective communities.

Some of the many outreach activities undertaken by both offices in Louisiana in the past few years include:

- making and donating 1,000 hearty brown bag lunches each year for the homeless through Volunteers of America,

- volunteering at Junior League's Diaper Bank of Baton Rouge,
- volunteering for Habitat for Humanity,
- volunteering at the Greater Baton Rouge Food Bank,
- participating in local Martin Luther King Day events,
- raising funds and competing in the Bugs & Brew contest, benefitting The Drew Rodrigue Foundation's mission to help young adults with cancer succeed while undergoing treatment,
- global fundraising and donation campaigns in the wake of historic flooding and hurricanes that have impacted Louisiana, and
- serving as headquarters for distributing \$5,000 worth of physical donations during the flooding in 2016.

As part of the recently announced Saints partnership, Ryan and the Benson organization will have opportunities to partner on important community outreach initiatives. Recently, Ryan donated a suite to a Saints' game to the New Orleans High School Coaches of the Week, a group of high school football coaches who positively impact the players they coach and who provide opportunities to enable their success.

Ryan is proud of our investment and contributions to the communities in which we live and work.

Ryan is proud to be part of the Louisiana community and is committed to our Louisiana clients. We might be a global tax firm, but our focus on Louisiana is our number one priority. Let us help liberate your business from the burden of being overtaxed, freeing your capital to invest, grow, and thrive.



REDUCING WASTE AND INCREASING PLASTIC RECYCLING IN LOUISIANA

**By: Wes Robinson, Senior Director, State
Affairs, American Chemistry Council**

Countless tons of plastics find their way to Louisiana landfills each year. For years, the global public, and corporate citizens alike, have advocated for and engaged in efforts to rid plastic litter, including litter-reducing campaigns, banning single-use plastic bags and even adopting highways. Yet, plastic litter remains a draconian problem.

Last year, the Louisiana Legislature seized an opportunity to put a real and defining dent in the plastic litter problem. The legislature passed SB 97, spearheaded by Senator Eddie Lambert, the Louisiana Chemical Association, and the American Chemistry Council, which laid the groundwork for technology to locate in Louisiana

that would divert plastics that would otherwise end up in landfills, or worse—in the environment—instead of truly recycling these plastics.

The legislation provides a pathway for advanced plastic recyclers to locate in Louisiana and take plastics that would otherwise end up in our landfills, and instead put them to good use making valuable new products. Right now, across the globe advanced recyclers are spending billions of dollars building facilities that can divert plastics from landfills and creating a more sustainable economy.

Prior to the adoption of SB 97, advanced recyclers looking to Louisiana

did not have a clear regulatory path by which these facilities would operate. Fortunately, SB 97 set the rules that will help attract these companies to Louisiana which could take advantage of existing industry infrastructure and the ongoing need to reduce waste.

The guidelines established in the legislation say that these facilities will operate with the same rules, permitting processes, and air, water, and land use regulations that any other chemical manufacturer would have to operate under.

Advanced recycling facilities are sophisticated and impactful. In fact, just in the last five years, the

plastics industry has announced investments worth \$7.7 billion in more than 70 advanced recycling projects. These projects have the potential to divert more than 12 billion pounds of waste from landfill.

Advanced recycling facilities purchase sorted, cleaned, and baled plastics to put them through a process to bring these plastics back to their molecular level. Then that product is produced into products like new plastics—including plastics for food, medical, and pharma applications—and can conduct the process over-and-over. That is true recycling.

When Governor Edwards signed the legislation last year, Louisiana became the 14th state to enact these rules into their Code of Laws. Now, as of this writing, 18 states have passed the legislation, including all of Louisiana’s neighboring states, and more states are expected to consider the legislation throughout the year.

Louisiana has taken steps to show that it is serious about reducing plastic waste and fostering innovative technologies. With several companies in Louisiana making announcements or considering projects in the state, once again our industry is at the tip of the spear working to solve a complex issue as we now work to shepherd in the next generation of recycling.

Learn more at: <https://www.americanchemistry.com/chemistry-in-america/news-trends/press-release/2021/mid-year-outlook-u.s.-chemical-industry-rebounds-as-global-recovery-continues>

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LCA MEMBER SPOTLIGHT:



On December 23, 1966, the first ton of ammonia was produced on the west side of the Mississippi River near Donaldsonville, Louisiana, at what was then known as First Nitrogen Corporation. Today, this facility is **CF Industries'** flagship Donaldsonville Complex and is now the largest ammonia production site in the world.

The hallmark of the site's operations, which span across 1,400 acres and feature 19 manufacturing plants, five marine docks and nearly 500,000 tons of storage capacity, is a deep commitment to safety. The Donaldsonville Complex recently achieved 6 million labor hours (dating to June 2016) without a lost-time incident. In 2020, the site achieved its safest year ever with zero recordable injuries.

"The safety of CF Industries' employees and those who live near our locations is always our top priority," said Morris Johnson, general manager, Donaldsonville Complex. "Our commitment to safe operations is engrained in our company's values and Do It Right culture, and our employees see it as a shared responsibility. This is reflected in our safety track record and our commitment to continuous improvement in our processes."

Safe operations at Donaldsonville have also helped make the site more productive. This supports the critical role the Donaldsonville Complex plays today in helping feed the crops that feed the world and its position at the forefront of the coming clean energy economy.

HELPING FEED THE CROPS THAT FEED THE WORLD

Ammonia, which is one-part nitrogen and three-parts hydrogen (NH_3), is simply microscopic atoms grouped together that make a macro impact. For over 100 years, the ammonia molecule has been valued for its nitrogen content, which is critical to plant growth and increases crop yields. Ammonia, and the nitrogen fertilizers made from it, help make possible an estimated 50% of the world's food, allowing more food to be grown on less land and enabling billions of lives. It can be used as a fertilizer itself or upgraded into other fertilizer products, such as granular urea or urea ammonium nitrate (UAN), or products for industrial use, such as diesel exhaust fluid (DEF), which is used for emissions control in diesel trucks, and nitric acid.

The Donaldsonville Complex produces on average more than 13 million tons of ammonia and these other products each year. It has six ammonia plants, three UAN plants and five urea plants located on its 1,400 acres. Its location on the Mississippi River provides a key transportation route for northbound barge fleets that deliver

product to interior crop-producing states. It also provides access to ocean-going vessels to destinations such as Europe, South America, and Asia. Donaldsonville's products can be shipped via pipeline, rail, and truck, as well as by barge and ship, using one of five marine docks.

CLEAN ENERGY FUTURE

While the Donaldsonville Complex continues to produce nitrogen-based fertilizers, emissions control and industrial products, it has become a focal point of CF Industries' clean energy initiatives. In the near future, the ammonia molecule is expected to be valued for its hydrogen content. Hydrogen is widely regarded as a clean source of energy today. Ammonia's hydrogen content makes it suitable as a clean fuel that could displace carbon-intensive petroleum products or as a highly efficient mechanism for transporting and storing hydrogen for clean energy purposes.

To realize this future opportunity, CF Industries has committed \$300 million in capital at Donaldsonville to begin decarbonizing the ammonia production process.



In late 2021, construction began at Donaldsonville on the Company's – and North America's – first green (zero carbon) ammonia production capacity. The team is installing a state-of-the-art electrolysis system to generate carbon-free hydrogen from water (rather than natural gas) that will then be supplied to an existing ammonia plant to produce green ammonia. Once complete in 2023, the project will enable the Company to produce approximately 20,000 tons per year of green ammonia.

CF Industries has also chosen Donaldsonville for its first blue ammonia production capacity – ammonia produced conventionally but with the CO2 byproduct removed through carbon capture and sequestration (CCS). CF Industries' production processes already capture process CO2. In 2022, work will begin to install carbon dehydration and compression equipment that enables the transportation of captured process CO2 to sequestration sites. This CCS project will reduce the Donaldsonville Complex's carbon emissions by up to 2 million tons annually and enable the production of approximately 1.6 million tons of blue ammonia, which is equivalent to one million tons of net-zero carbon ammonia.

"It's very exciting to be a part of this process, and something I've thought about quite a bit," said Eugene Britton, director, technical services at Donaldsonville, who is helping lead the green and blue ammonia projects. "The ammonia industry has created positive change in the world for over a century. Through the lens of today's climate focus, it's rewarding to be with a company that is taking action to help solve those global challenges while still feeding the world."

COMMITMENT TO THE LOCAL COMMUNITY

While serving the United States and the rest of the world with its products, the Donaldsonville Complex also serves the local community through donations, fundraising efforts and volunteer activities.

In the last five years, the site has donated over \$1.3 million to a number of nonprofit organizations, through both volunteerism and charitable giving. Every year, Donaldsonville employees conduct a United Way campaign with participation rates over 97%. In 2021, more than \$209,000 was raised for the Capital Area United Way and United Way for South Louisiana. Other philanthropy efforts have supported recovery efforts from Hurricane Ida as well as support for local food banks through both direct donations and food drives.

"We are a family at the Donaldsonville Complex, and we consider the local community part of our extended family," said Donna Bahlinger, human resources manager, at Donaldsonville. "Donaldsonville is our home. We feel fortunate to have so many meaningful opportunities to support great organizations here and make a real difference where we work and live."

POSITIONED FOR THE FUTURE

Throughout its more than 55 years, the Donaldsonville Complex has grown and evolved to remain a global leader in its industry. As the world's largest ammonia production complex and with two major decarbonization projects underway, the site is poised to continue to be at the forefront of industrial facilities in the United States and the world.

"It is an exciting time to be a part of CF Industries, from our critical role providing crop nutrients to the leadership position we are establishing through our clean energy initiatives," said Johnson. "We feel tremendous pride coming to work every day knowing the positive impact we have today and will continue to have in the future."





CHEMICAL INDUSTRY CRITICAL TO DELIVERING ON THE BIPARTISAN INFRASTRUCTURE INVESTMENT AND JOBS ACT

By: Sen. Bill Cassidy

If good policy is good politics, the Infrastructure Investment and Jobs Act (IIJA) is both. It is good for the country, which has a C- infrastructure grade from the American Society of Civil Engineers, it is good for Louisiana, and it is good for American workers.

Over the course of months, House and Senate members, Democrats and Republicans from all corners of the nation, negotiated and worked to craft a bill. Through conversations and listening to people across our state, including members of the Louisiana Chemical Industry Alliance, many priorities important to Louisiana were included in the bipartisan infrastructure law—broadband expansion, repairs to roads and bridges, and coastal protection, to name a few. Having a seat at the negotiating table ensured Louisiana's needs were met.

These investments will create jobs in manufacturing, construction, and other sectors of our economy, especially in Louisiana's robust energy industry. Chemicals are the basis of these projects and materials needed in this infrastructure development. The chemical industry alone employs nearly 30,000 people. For the thousands of employees represented by

the Louisiana Chemical Industry Alliance, this funding opens the door for new growth and opportunity.

Louisiana is already reaping the benefits of the bill.

In January, we announced Louisiana will receive \$111.5 million from the IIJA to restore its 4,605 orphan oil and gas wells which pose great environmental and safety hazards to local communities. We also secured financing for Louisiana's 13 Superfund sites, including two sites that have been stalled for over four years due to a lack of funding.

Additionally, the IIJA includes \$5 billion to develop carbon sequestration projects and \$8 billion for developing hubs for clean hydrogen. The bill provides \$3.5 billion to aid the capture of carbon dioxide from the atmosphere carving out a pathway for Louisiana to lead in carbon removal and decarbonization while maintaining and growing existing industries and infrastructure. And finally, it expands the Continental Shelf Lands Act to permit offshore energy storage.

The IIJA passage last year represents what lawmakers can do when we work together and address the needs of the American people—and imple-

mentation of the law couldn't come at a more important time.

The ongoing geopolitical conflicts shine a bright light on the importance of investing in American infrastructure and strengthening U.S. energy independence. Putin's war in Ukraine, inflation, and skyrocketing gas prices are hampering our families, workers, and energy sector.

The IIJA gives the United States the tools to lead, secure a Russia-free energy future, and strengthen U.S. energy production. Not only does the bipartisan infrastructure law make historic investments in roads, bridges, ports, and airports, but also funds energy development, offshore energy storage, and efforts to lower carbon emissions. Our nation is seeking solutions. The Biden administration needs to do more to rebuild America's energy independence but the IIJA provides some of the relief we need.

These are just a few of the benefits Louisiana has already reaped since the IIJA was passed in November. There's more to come in the months and years ahead. The bipartisan infrastructure law is good for the future of our state, the American worker, and the industries we depend on. 🌟



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DIVERSITY & INCLUSION

KEY ELEMENTS TO HOW BASF CREATES CHEMISTRY FOR A SUSTAINABLE FUTURE

BASF creates chemistry for a sustainable future. The company's promise to customers, society and to the local community is to deliver its best. To achieve this promise, team members must be open to the full range of unique experiences and perspectives provided by each other.



BASF UNDERSTANDS THAT HAVING A DIVERSE WORKFORCE IS IMPORTANT, BUT INCLUSION IS JUST AS IMPORTANT.

Diversity and Inclusion (D&I) are cornerstones of BASF's corporate values of creativity, openness, responsibility, and entrepreneurial spirit. At BASF's largest manufacturing site in North America, located in Geismar, Louisiana, the company's focus on people – more than 2,000 employees and contractors employed at the site - has helped establish a culture that attracts, develops, and retains diverse talent in manufacturing. To achieve this, BASF focuses on a few main areas:

- Key partnerships with local non-profits, area associations and local colleges and universities enabling BASF to create a diverse and inclusive workplace.
- Seeking the best talent from all sources, including leading universities, national diversity conferences, partnerships to hire veterans, and referrals from their own employees.

- Creating a culture of support for its employees through educational partnerships with Historically Black Colleges and Universities and associations, and programs including the National Society of Black Engineers, the Society of Asian Scientists and Engineers, the Society of Hispanic Professional Engineers, and Society of Women Engineers.

- Helping make communities better in Louisiana through charitable contributions, volunteerism, community relations efforts and supplier diversity programs. These efforts have earned recognition from leading organizations and publications including DiversityInc's Top 50 Companies for Diversity, The Human Rights Campaign Foundation's Best Places to Work for LGBTQ Equality, the Baton Rouge Chamber of Commerce Diversity Star Award and more.

BASF's commitment to diversity extends beyond the makeup of its

employee population; it's also a priority for building its management structure too. Globally, BASF's Supervisory Board strives to achieve a reasonable level of diversity with respect to character, gender, international representation, professional background, specialist knowledge and experience as well as age distribution.

In 2020, BASF announced a target of increasing females in leadership positions to 30 percent by 2030. As of today, BASF's Geismar Site Leadership Team includes 50 percent female team members. To help reach the 2030 target and continue to grow diversity in leadership roles, BASF has implemented employee development programs to ensure diverse talent, particularly females and minorities, are offered opportunities to grow their skills leading to management roles. Programs such as Female Leaders Advancing Manufacturing Excellence (FLAME) help women in manufacturing develop and network with peers. Additionally, as



We create chemistry

recognition for the many contributions made by women in manufacturing at BASF, the company nominates employees for the National Association of Manufacturing's annual Science, Technology, Engineering and Production (STEP) Ahead Awards. Since 2015, 19 BASF women in manufacturing have been named STEP Ahead Honorees or Emerging Leaders.

BASF understands that having a diverse workforce is important, but inclusion is just as important. BASF strives to create and maintain a culture where every employee feels valued, connected and respected. Employee Resource Groups (ERG) are one opportunity employees have to connect and network with one another, create community and find a sense of belonging.

All of these efforts create an intentional focus to drive a diverse and inclusive culture. By ensuring processes and programs are in place, partnering closely with employee resource groups to understand the resources needed, BASF believes they will be successful. Employee feedback is important as well and is collected through surveys throughout the year focusing on cultural opportunities and diversity in the workplace.

To address the world's most complex challenges, BASF relies on creative, sustainable solutions. Creative solutions come from innovations enabled by diverse perspectives, backgrounds and a culture where everyone can contribute their full, authentic selves. BASF encourages others in industry to join them on this journey to create a more diverse and inclusive industry.



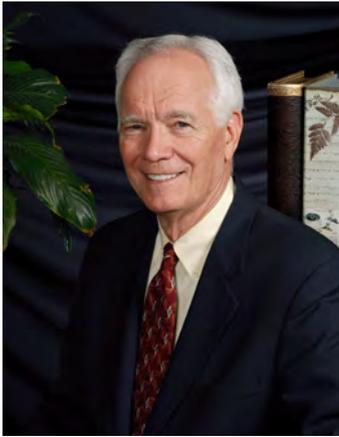
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RECENT OIL PRICE INCREASES & THE LOUISIANA CHEMICAL INDUSTRY

Loren C. Scott, President, Loren C. Scott & Associates, Inc.

When producing the Louisiana Economic Forecast around the turn of the century, it was considered a good year if we could report \$1-2 billion in new industrial announcements in the state. The price of natural gas---a key input for almost all chemical plants in the state---frequently reached the teens, and on an annual basis regularly exceeded \$6 per mmbTU in the early-to-mid 2000's.

Then two things occurred to initiate a huge round of expansions and greenfield chemical projects in Louisiana. First, fracking unleashed a torrent of new gas supplies in the U.S. Natural gas prices plummeted to the \$2-\$3 level, dramatically dropping the price of this key chemical input.

Just as importantly, the price of oil began to rise. U.S. chemical producers

suddenly enjoyed a major competitive advantage over chemical firms in Europe and Japan. Two factors created this advantage. First some of these foreign firms were making chemicals out of oil instead of natural gas. They took oil and produced naphtha and from naphtha produced ethylene. U.S. firms took the much cheaper natural gas and from it produced ethane from which they then produced that same ethylene---except at a much lower cost.

Why didn't the Europeans and Japanese just use natural gas? Japan has no natural gas fields, and the EU decided to outlaw fracking within its boundaries. To use natural gas, they have to import it by pipeline (typically from Russia) or by LNG carrier. Until recently, natural gas via pipeline or LNG carrier was priced off of---guess

what---the price of oil. Oil sellers would basically take about 15% of the price of oil and that is their charge for natural gas. There is no way that natural gas priced that way could keep Asian and European chemical firms competitive. They started moving to the U.S.

Billions have been spent on these expansions in Louisiana alone since 2009. The good news is that the trend is continuing as seen in Table 1. We have listed a remarkable 21 announcements of new or expanded chemical plants that have yet to issue final investment decisions. The investments total a stunning \$31.3 billion.

Note that all but one of these projects is on or below I-10. These are primarily bulk chemical plants. The Mississippi River and the Calcasieu

Ship Channel give transport via deep-draft ocean-going ships easy access to world markets. Also, there are enough miles of pipelines in the state to circle the globe nearly four times---about 75,000+ of those carrying natural gas. There is easy access to that vital input for our chemical firms.

Also, the data in Table 1 do not include another \$71.8 billion in planned LNG export terminals. We are confident that at least \$25 billion of those will pull the trigger this year. While not considered “pure chemical” plants by some, the Bureau of Economic Analysis is assigning

these companies NAICS codes within the chemicals category.

Finally, there are an unusually large number of methanol plants in this list. Many argue this is a market poised to bust its seams, primarily to a burgeoning market in China. China has a serious air quality problem. China has an estimated 475,000 small-to-large sized boilers in the country that are fired with coal with virtually no pollution controls. The National People’s Conference on Pollution sees this as low-hanging fruit for cleaning up particulates and carbon emissions. Methanol is the fuel of choice for that switch. That country also wants to

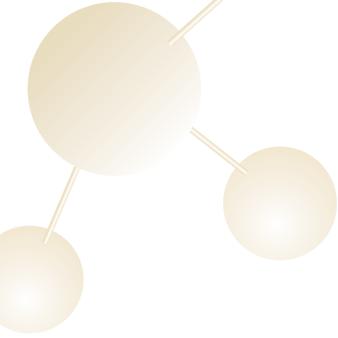
replace dirty bunker fuel used in its inland vessels with methanol. Finally, the country is building several large methanol-to-olefins (MTO) plants. Olefins are a key ingredient in many consumer products.

At this writing the price of oil is about \$112, driven up initially to \$130 by the Russian invasion of Ukraine and then down some by the shutdown in China due to another wave of COVID. It is a wild guess as to where it will settle down, but anything in the \$75+ range will keep our boom going here in Louisiana.

TABLE 1
EXPANSIONS & GREENFIELD CHEMICAL PLANT ANNOUNCEMENTS
YET TO MAKE FID IN LOUISIANA:
(MILLIONS OF DOLLARS)

Company	Capex	Company	Capex
Formosa Plastics*	\$9,400	ElementUS**	\$800
Lake Charles Methanol***	\$3,800	Nutrien*	\$560
IGP Methanol**	\$2,600	Bia Energy+	\$550
South LA Methanol**	\$2,600	Greenfield LA**	\$500
Proman Methanol***	\$2,300	Westlake*	\$460
Yuhuang Chemical**	\$1,850	Syngas Energy**	\$360
Shell Chemical*	\$1,200	Rubicon*	\$280
AmmPower**	\$1,000	Air Liquide*	\$139
Mitsubishi*	\$1,000	Air Liquide*	\$139
BASF*	\$868	CF Industries*	\$100
BASF*	\$803		

*Baton Rouge MSA **New Orleans MSA ***Lake Charles MSA +Shreveport MSA



USING CARBON CAPTURE AND STORAGE TO MITIGATE INDUSTRIAL GREENHOUSE GAS EMISSIONS

By: David E. Dismukes, Ph.D. Professor, Executive Director, and Director of Policy Analysis, LSU Center for Energy Studies

OVERVIEW

Several states are adopting policies that substantially reduce, if not eliminate their overall greenhouse gas (“GHG”) emissions by a date certain. Several of these states come as no surprise such as California, Oregon, New York, and New Jersey. However, some states pursuing carbon neutrality policies are also heavily invested in fossil fuels such as Louisiana and New Mexico. Louisiana sets 2050 as the target for reaching net zero carbon emissions, something that will be difficult to accomplish without major investment in carbon capture and underground storage (or “CCS”).

DE-RISKING CCS

Size and scale will be important in making CCS cost-effective. Figure ## highlights major Louisiana industrial locations by their annual GHG emissions levels. Larger diameter circles indicate large GHG emissions sources over one million metric tons per year (“Mtpa”). These large

emitters are prime candidates for CCS and are located (a) in the Mississippi River corridor between Baton Rouge and New Orleans, (b) are located in northwestern Louisiana, and (c) are located in the Lake Charles industrial area.

FACILITATING THE DEVELOPMENT OF MORE SUSTAINABLE FUELS

The development of in-state CCS may also help Louisiana leverage its abundant natural gas resources in an environmentally sustainable fashion since CCS facilitates the development of two important emerging (and related) clean fuels: hydrogen and ammonia. Hydrogen is used in two important South Louisiana energy manufacturing industries.

First, hydrogen is important in ammonia production and in-state natural gas production has served as a reliable and usually low-cost feedstock for the region’s ammonia producers. However, there are other methods by which ammonia can be produced, including an electrolysis

process that uses water and electricity to derive the necessary hydrogen needed to formulate ammonia. Electrolysis, however, can be more expensive than using natural gas, but can be environmentally sustainable, especially if the electricity is generated by renewable energy.

Second, hydrogen is used to produce clean fuels that meet current clean air emissions standards. Refinery demand for hydrogen has increased as sulfur content regulations have become more stringent and the demand for clean burning diesel fuel around the globe has increased.

There are two primary methods for producing hydrogen. First, there are chemical processes that separate hydrogen from various existing hydrocarbon resources. These “reformation” processes use natural gas as a feedstock and are common along the Gulf Coast. Further, as noted earlier, there are electrolysis processes that can be used to separate hydrogen from various hydrocarbons

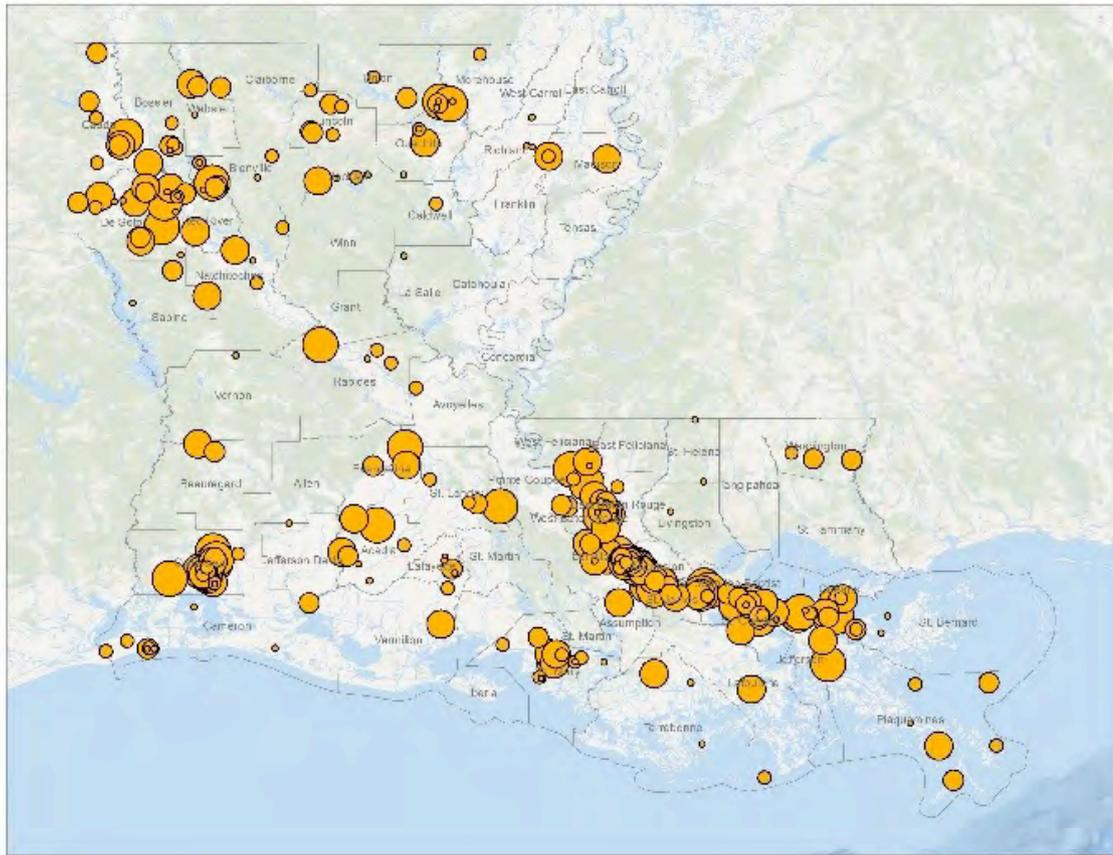


Figure ##: Louisiana Industrial GHG Emission Sources
 Source: Dismukes, Louisiana GHG Inventory, 2022.

and the interest in using these processes, coupled with renewable energy, is increasing exponentially.

Thus, there are continued opportunities to maintain and even leverage current hydrogen and ammonia production, from a position that is already considerable, to one that is potentially even larger given the use of hydrogen and ammonia as fuel sources. The key in achieving this growth will be to utilize production methods that are both economically and environmentally sustainable.

“Green” methods for hydrogen and ammonia production are increasing in interest and number. These green methods utilize electrolysis and power generation from renewable energy. The challenge with the green approach is that renewable energy electrolysis is more expensive and requires a very large amount of

generation capacity that could be difficult to develop in the near term.

Thus, some “bridge” approach will be needed to meet the necessary scale of production needed for Louisiana industries. “Blue” methods for producing hydrogen and ammonia could serve as this bridge. Blue methods use traditional hydrocarbon feedstocks (natural gas) and chemical reformation techniques along with CCS to make the reformation method environmentally sustainable. Thus, CCS will be critical in developing this important industrial decarbonization option.

SUMMARY

Louisiana has a unique opportunity to transform its existing energy manufacturing infrastructure. However, Louisiana will need GHG emissions abatement strategies and

applications that bridge the use of natural gas to those that rely more heavily on renewables. The use of blue strategies, in the production of hydrogen, ammonia, therefore, will be important in the near term in order to reduce Louisiana’s industrial GHG footprint.

CCS, however, will be the key in developing near-term, cost-effective means by which industrial facilities can (a) fuel switch to hydrogen or ammonia for combustion purposes for heat and steam and/or (b) use hydrogen, or syngas as a fuel for power generation to facilitate greater levels of industrial electrification. While green approaches offer promise, widespread use of these green applications will likely be cost-prohibitive in the near term at the scales needed to make an immediate reduction in Louisiana’s industrial GHG emissions. ❖❖



LOUISIANA CELEBRATING AN INFRASTRUCTURE BOOM

By: Shaun Wilson, Secretary of the Department of Transportation & Development

Transportation is changing, thanks to President Biden's Bipartisan Infrastructure Law and the bill signed by Governor John Bel Edwards dedicating a portion of vehicle sales tax to infrastructure that was passed by the Legislature during the 2021 Regular Legislative Session. This is a transportation boom and it will forever change the industry. Infrastructure is the backbone of our economy; it is what keeps our communities running, our industries growing. It is my responsibility as Secretary of the Department of Transportation and Development to provide quality and

lasting infrastructure that will benefit generations to come.

In order to create and advance shovel-ready projects, adequate funding sources are essential. The state relies on a 20-cent gas tax to address infrastructure needs, which has lost more than 20 percent of its value, and has not changed since the 1980's. The significant funding opportunities from our state and federal partners will allow us to properly plan and prepare for the long run of investments, which is why it's important that we think big and strategically to deliver the types of projects we have dreamed about for decades.

The Infrastructure Investment and Jobs Act (IIJA) passed by Congress in late 2021 will allocate nearly \$6 billion to the state over the next five years for projects such as highways, bridges, public transportation, electric vehicle infrastructure, ports and airports. Additionally, the state is set to receive just under \$700 million appropriated money from the BP oil spill settlement to infrastructure projects over the next 13 years. In January, the Federal Highway Administration announced plans for the Bridge Formula Program, made possible through the IIJA, which will allocate approximately \$200 million a year to improve roughly 500

bridges in need of repair or replacement throughout the state. Lastly, the signing of the vehicle sales tax legislation will set aside \$150 million in FY 23-24 from vehicle taxes to DOTD in the Transportation Trust Fund.

These revenue sources will have an immense benefit on Louisiana's transportation system and allow the Department to move forward on statewide infrastructure projects. The smart use of funding to finance an infrastructure plan is equally important to delivering projects. We are moving mega projects like a new Mississippi River Bridge, I-49 South, Calcasieu River Bridge, Jimmie Davis Bridge, and I-12 to Bush. Some other projects benefiting from the renewed and expanded funding program include:

NORTH REGION

- LA 531 over I-20 Bridge Replacement in Webster Parish.
- Milling, patching, overlay, and drainage on LA 17 between Gaddis St. and Arkansas state line in West Carroll Parish.
- Roadway lighting on U.S. 165 in Ouachita Parish.
- Grading, patching, overlay, lighting, drainage, and multiuse paths on S. Monroe St., W. Texas Ave., W. Louisiana Ave., & Oil Mill St. in Lincoln Parish.

CENTRAL REGION

- Replacement of various bridges on LA 485 in Natchitoches Parish.
- Milling, patching, paving, and drainage on LA 8 between LA 119 and LA 1 in Rapides Parish.
- Flashing yellow arrow installation in Avoyelles, Natchitoches, Sabine, Vernon, and Winn parishes.

- Milling, patching, and overlay on LA 4 between LA 888 and LA 575 in Tensas Parish.
- Capitol Region
- Improvements to LA 30 between South Blvd. and W. Chimes St. in East Baton Rouge Parish.
- Replacement of Pecan Island Rd. Bridge over the Chenal in Pointe Coupee Parish.
- Milling, patching, overlay, and drainage on LA 1 between LA 3089 and Iberville Parish line in Ascension Parish.
- Widening I-10 from LA 415 in West Baton Rouge Parish to the I-10/ I-12 split in East Baton Rouge Parish.

SOUTHWEST REGION

- Design and construct a new ferry boat for the Cameron Ferry Crossing in Cameron Parish.
- Roundabout on LA 14 at LA 397 in Calcasieu Parish.
- Replacement of bridges on Jude Rd. and Placide Rd. in Vermilion Parish.
- Milling, patching, and overlay on LA 99/LA 102 between W. LA 102 and LA 26 in Jefferson Davis Parish.

SOUTHEAST REGION

- Cleaning and painting on the IWGO Bridge on LA 47 in Orleans Parish.
- U.S. 190 widening to four-lane divided highway between LA 437 and U.S. 190B in St. Tammany Parish.
- Cable barriers and barrier wall on I-10 between Chef Menteur Hwy. and I-510 in Orleans Parish.
- Grading, milling, patching, overlay, paving, and drainage on

LA 3139 and LA 3154 between Dickory Ave. and Orleans Parish line in Jefferson and Orleans parishes.

In addition to traditional infrastructure projects, DOTD is committed to helping Louisiana achieve its climate goals of becoming net zero by 2050. One of the biggest ways to make this a reality is by making changes in the way we travel. Through the IIJA, the state is set to receive approximately \$75 million over the next five years for electric vehicle (EV) infrastructure. Over the next year, DOTD will be developing an EV charging infrastructure deployment grant program and an alternative fuel vehicle infrastructure grant program if there is sufficient interest from the private sector in hydrogen, natural gas, additional EV or propane fueling infrastructure. In the second year, the department will make awards, monitor and inspect installations, and identify and correct weaknesses in the grant programs for use in future rounds of solicitations and awards.

Last but not least, we are working to deliver a meaningful passenger rail system to complement growth and climate needs. Being able to move people using transit, saves money for all users, addresses workforce shortages, improves safety and multimodal connections for freight, benefits the environment and creates economic opportunity for Louisiana.

This department works diligently to maintain and improve our vital transportation system for the businesses, communities and motorists that travel and live in our great state. Transportation is vital to our everyday life and it's important that the needs are met in order to grow and provide the quality of life that will benefit everyone in Louisiana. 🌟



CHEMICAL INDUSTRY HELPS SPARK LOUISIANA'S STRONG OUTLOOK

By: Don Pierson, Secretary of Louisiana Economic Development

For Louisiana Economic Development, 2021 was a remarkable year of economic successes with strategic initiatives that generated announcement of \$20.5 billion in new capital investment, more than 6,700 new direct jobs that will drive an estimated 11,400 indirect jobs. Achieved amid the continuing COVID-19 pandemic, severe storms and challenging global economic conditions, these results are a testament to the resiliency of Louisiana and the strength of our businesses that power, feed and support the world.

The expertise of Louisiana's chemical industry – in the second largest chemical manufacturing state in the nation – along with our strategic infrastructure and highly skilled workforce, again served to attract and support

new investments and expansions. By example, Shintech announced a \$1.3 billion expansion of its facilities in Plaquemine and Addis, retaining 530 Louisiana jobs, and generating 159 new direct and indirect jobs.

Venture Global not only shipped LNG out of Louisiana, but also announced another massive \$10 billion LNG facility in Cameron, which will result in 200 direct jobs and over 860 indirect jobs in Southwest Louisiana. Air Products announced a \$4.5 billion low carbon hydrogen complex near Burnside in Ascension Parish, which will create 170 direct new jobs and result in 413 indirect jobs.

The Air Products project will also feature what has become a growing trend among advanced chemical pro-

ducers. The project will feature carbon capture and sequestration capacity, and is one of four projects announced in 2021 that incorporate this new technology. A transformation is underway, one that reduces greenhouse gasses and advances our mission of a low-carbon future. In 2021, we welcomed biofuel and lower hydrogen production companies, which will create jobs for the next generation of skilled workers for Louisiana's chemical industry. As Louisiana steps forward as a leader in various climate initiatives, we are building and maintaining economic opportunities, providing for the development of a talented workforce and leveraging our unique geography that makes all this possible. Our advanced chemical manufacturing industries are demonstrating leadership and embracing a

wide range of strategies to help reduce greenhouse gas (GHG) emissions.

Success is also reflected in seeing an anticipated national 3.6 percent expansion in chemical production this year, and chemical exports are expected to break records. Of note, in December 2021, the U.S. was ranked the world's largest exporter of LNG for the first time.

Now, a recent surge of exports to gas-starved Europe demonstrates how the LNG investments that have been made, and will continue to be made in Louisiana, will position us for success even if facing headwinds of global uncertainty. This clearly positions us for continued long-term success. Louisiana's traditional oil and gas firms are facing competition from new energy players in addressing the broader energy demand, but we know that oil and gas companies will remain vital. Oil and natural gas touches our lives in countless ways ev-

ery day, providing the building blocks for everything from cars, to soft drink bottles to home furnishings. Shell, ExxonMobil and others are making strides toward alternate energy sources, while supporting Louisiana's broader chemical industry and its increasing production.

Louisiana higher education institutions and LED are in partnership to provide the educated and highly trained workforce necessary to drive economic success. LED's FastStart program has been named the No. 1 statewide workforce development program in the nation for the past 12 consecutive years. LED FastStart could not secure such a legacy of success without continual improvement and embracing innovation. In partnership with leaders in the chemical industry, LED FastStart is bringing virtual reality training modules forward, providing employees with safe and strategic skill development.

Another success in 2021 was noted as LED received reaccreditation as an Accredited Economic Development Organization through the International Economic Development Council. This designation recognizes best practices that sustain and advance our mission of job creation and economic opportunity. We are preparing for a renewed Quality Jobs incentive, securing available federal dollars from the American Rescue Plan, and continuing to drive development for large and small businesses in ways that support Louisiana's broader economy. We are committed to building on Louisiana's strengths, looking over the horizon to succeed in the economy of the 21st century, and build the vibrant economy that will serve as the platform for a successful future for our state and our citizens. 🌐



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LCA PARTNERS WITH CRISTO REY BATON ROUGE TO OFFER STUDENTS UNFORGETTABLE STEM EDUCATION EXPERIENCE

By: Molly Mayeux, Cristo Rey Baton Rouge

On Tuesday, March 29, 33 Cristo Rey Baton Rouge Franciscan High School sophomores traveled to Houston, TX, to participate in a day-long visit at iFLY, an indoor skydiving facility that helps to inspire and educate students through an immersive, educational program. Cristo Rey students enjoyed two flight sessions, while learning about the physics of skydiving, STEM careers and more. This unique educational experience was made possible with the generosity of the Louisiana Chemical Association.

In addition to indoor skydiving sessions, students participated in a classroom portion of the day, where they learned to calculate the speed, distance traveled and acceleration of free-falling objects on a celestial body; identify different types of universal forces acting on an object; analyze data to determine the relationship between the force of gravity, mass, distance and acceleration due to gravity; and analyze free body diagrams to analyze real-world scenarios to determine net force on an object.



Exposing Cristo Rey students to this real-world application of physical science (and to a new city!) expanded their worlds in a way that only experiential learning can do. Many—if not most—of Cristo Rey students have not had the opportunity to enjoy an experience such as this, or leave the state, and the impact this field trip will have on the students' education and confidence will be long-lasting.

Cristo Rey prepares students with limited economic means for lives of faith, purpose and service. The Cristo Rey model incorporates college preparatory curriculum with an innovative Corporate Work Study Program. Cristo Rey students are majority-minority and 100% low-income. Beginning July 1, Cristo Rey will be known as Franciscan High School, but the school mission and model will remain the same. For more information regarding Cristo Rey Baton Rouge and the Corporate Work Study Program, please email Carissa Graves at cgraves@cristoreybr.org. 🌟

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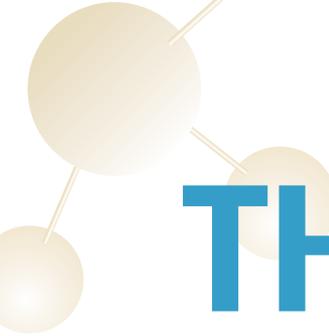


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of employees in Louisiana _____ (fulltime & year round contract)

LCIA Dues Schedule (Check One):

<u>Gross Sales in Louisiana</u>	<u>Annual Dues</u>	<u># Free Listings</u>
<input type="checkbox"/> Above \$500,000,000	\$1,250	10 (primary contact + 9 additional)
<input type="checkbox"/> \$250,000,001 - \$500,000,000	\$1,000	8 (primary contact + 7 additional)
<input type="checkbox"/> \$50,000,001 - \$250,000,000	\$ 750	6 (primary contact + 5 additional)
<input type="checkbox"/> \$1,000,001 - \$50,000,000	\$ 500	4 (primary contact + 3 additional)
<input type="checkbox"/> \$250,001 - \$1,000,000	\$ 250	2 (primary contact + 1 additional)
<input type="checkbox"/> \$250,000 and under	\$ 125	1 (primary contact only)

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Each company designates one Primary Contact and is encouraged to list other locations for meeting notifications, some of which may be free (as shown above). **Beyond the free listings, additional contacts can be added for \$30.00 per listing, per year.**

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Additional listings contact: (If address, phone or fax number is different from above company information, please attach separate list)

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Mr./Mrs./Ms. _____ Title: _____ E-Mail: _____

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To pay for your Annual Dues and Additional Listings with a Visa, MasterCard or American Express card, please call Lisa Pulizzano at (225) 376-7670 or enter the information below and mail or fax to the above address.**

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The Federal Omnibus Budget Reconciliation Act of 1993 denies a business tax deduction for defined lobbying expenditures paid or incurred after 1993. We are required to notify you of a reasonable estimate of the percentage of dues that we will spend on these activities. In accordance with this act, we have estimated that eleven percent (11%) of your 2013 dues will be used for lobbying activities and are, therefore, not deductible.



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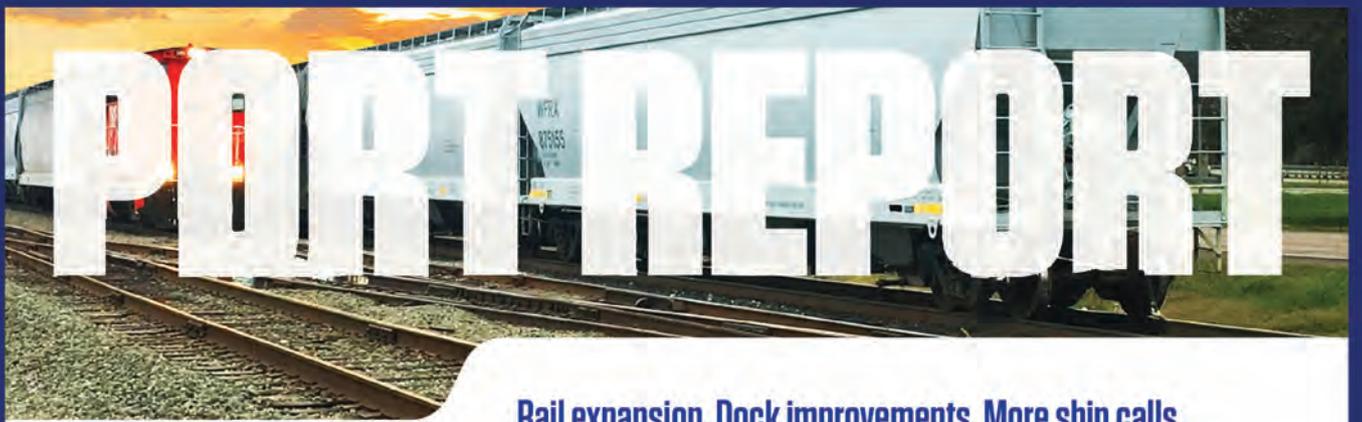


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Rail expansion. Dock improvements. More ship calls.

A dramatic increase in ship calls at the Port of Greater Baton Rouge prompted improvements to deepwater cargo docks on the Mississippi River and an expansion of rail infrastructure.



Union Pacific Railroad has expanded its interchange tracks along Louisiana Hwy. 1 to be accessed from either the north or south in a \$12 million upgrade, and the Port is moving forward with a \$25 million chambering yard south of the Intracoastal Waterway. The state's Capital Outlay Program will help fund the construction of the chambering yard's three, 110-car tracks to handle **Drax Biomass** wood pellet trains. In addition, **Louis Dreyfus Commodities** will complete their \$20 million facility rail tracks this year to handle 110-car grain trains.

To meet the needs of Drax Biomass, Louis Dreyfus Commodities, **Genesis Energy**, and **Contanda Terminals**, the Port has improved 3,500 feet of deepwater cargo docks with a new fendering system and larger, stronger mooring hooks.

Port Executive Director Jay Hardman reports, "We're busy, so as soon as we finish one improvement, we're already making plans to expand for future needs."



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